

What is Claimed Is:

Sub A'7 1. A method in an application server for accessing a messaging server, the method comprising:

receiving, from a browser configured for dynamic control of audio operations, an HTTP request having an audio file that stores received voice signals specifying a messaging operation;

5 identifying the messaging operation in the application server by interpreting the audio file; and

outputting a function call specifying the messaging operation to the messaging server according to IP protocol.

2. The method of claim 1, wherein the step of interpreting the audio file includes: executing a speech recognition process based on a voice command identifier specified in the HTTP request; and

identifying by the speech recognition process the corresponding messaging operation and a corresponding operand from the audio file.

3. The method of claim 2, wherein the outputting step includes selecting the function call based on the identified messaging operation, and supplying with the function call the corresponding operand.

4. The method of claim 3, wherein the outputting step includes outputting the function call according to IMAP protocol.

5. The method of claim 3, further comprising: receiving from the messaging server a response to the function call that specifies a stored message; and

sending an HTML page to the browser for playback of a second audio file representing the stored message.

6. The method of claim 5, wherein:

the step of identifying the corresponding messaging operation and the corresponding operand includes identifying a messaging folder specified by the operand;

the step of outputting the function call includes specifying the message folder within the operand with the corresponding function call.

7. The method of claim 6, wherein the step of receiving from the messaging server a response includes receiving the stored message as one of an e-mail message and a voice mail message recorded on a stored audio file from the specified messaging folder within the messaging server, the method further comprising:

selectively generating the second audio file by the application server based on determining that the stored message is an e-mail message; and

selectively supplying the stored audio file as the second audio file based on determining that the stored message is the voice mail message recorded on the stored audio file.

8. The method of claim 2, wherein:

the step of identifying the corresponding messaging operation and the corresponding operand includes identifying a messaging folder specified by the operand;

the step of outputting the function call includes specifying the message folder within the operand with the corresponding function call.

9. The method of claim 8, wherein the step of identifying the corresponding messaging operation further includes identifying the messaging operation as one of opening the identified message folder, storing into the identified message folder a message specified by the audio file, and deleting from the identified message folder the message specified by the audio file.

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10. The method of claim 8, wherein the step of identifying the corresponding messaging operation further includes identifying the messaging operation as one of creating the identified message folder, and deleting the identified message folder.

11. An application server configured for accessing a messaging server, the system comprising:

an HTTP interface configured for receiving an HTTP request from a browser configured for dynamic control of audio operations, the HTTP request having an audio file that stores voice signals received by the browser from a user input device and specifying a messaging operation; and

an executable application runtime environment configured for generating for the browser an HTML page having media content information and media control information in response to the HTTP request, the executable application runtime environment configured for outputting a selected function call specifying the messaging operation to the messaging server according to a prescribed messaging protocol.

12. The server of claim 11, wherein the executable application runtime environment includes:

a speech recognition process configured for identifying the messaging operation from the audio file; and

a text-to-speech process configured for converting text-based messages received from the messaging server to a second audio file to be sent in the HTML page for playback by the browser to the user of the user input device.

13. The server of claim 12, wherein the executable application runtime environment executes the speech recognition process based on a voice command identifier parsed based on a determined application state of the user.

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14. An application server configured for accessing a messaging server, the system comprising:

an HTTP interface configured for receiving an HTTP request from a browser configured for dynamic control of audio operations, the HTTP request having an audio file that stores voice signals received by the browser from a user input device and specifying a messaging operation; and

means for generating for the browser an HTML page having media content information and media control information in response to the HTTP request, the executable application runtime environment configured for outputting a selected function call specifying the messaging operation to the messaging server according to a prescribed messaging protocol

15. The server of claim 14, wherein the generating means includes:

means for identifying the messaging operation from the audio file; and

means for converting text-based messages received from the messaging server to a second audio file to be sent in the HTML page for playback by the browser to the user of the user input device

16. The server of claim 15, wherein generating means initiates execution of the identifying means based on a voice command identifier parsed based on a determined application state of the user.

17. The server of claim 16, wherein the voice command identifier is specified by an XML tag parsed by the generating means.

18. A computer readable medium having stored thereon sequences of instructions for accessing a messaging server, the sequences of instructions including instructions for performing the steps of:

receiving, from a browser configured for dynamic control of audio operations, an HTTP request having an audio file that stores received voice signals specifying a messaging operation;

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identifying the messaging operation in the application server by interpreting the audio file;  
and  
outputting a function call specifying the messaging operation to the messaging server  
according to IP protocol.

19. The medium of claim 18, wherein the step of interpreting the audio file includes:  
executing a speech recognition process based on a voice command identifier specified in the  
HTTP request; and  
identifying by the speech recognition process the corresponding messaging operation and a  
5 corresponding operand from the audio file.

20. The medium of claim 19, wherein the outputting step includes selecting the function call  
based on the identified messaging operation, and supplying with the function call the corresponding  
operand.

21. The medium of claim 20, wherein the outputting step includes outputting the function  
call according to IMAP protocol.

22. The medium of claim 20, further comprising instructions for performing the step of:  
receiving from the messaging server a response to the function call that specifies a stored  
message; and  
sending an HTML page to the browser for playback of a second audio file representing the  
5 stored message.

23. The medium of claim 22, wherein:  
the step of identifying the corresponding messaging operation and the corresponding operand  
includes identifying a messaging folder specified by the operand;

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the step of outputting the function call includes specifying the message folder within the operand with the corresponding function call.

24. The medium of claim 23, wherein the step of receiving from the messaging server a response includes receiving the stored message as one of an e-mail message and a voice mail message recorded on a stored audio file from the specified messaging folder within the messaging server, the medium further comprising instructions for performing the steps of:

5 selectively generating the second audio file by the application server based on determining that the stored message is an e-mail message; and

selectively supplying the stored audio file as the second audio file based on determining that the stored message is the voice mail message recorded on the stored audio file.

25. The medium of claim 19, wherein:

the step of identifying the corresponding messaging operation and the corresponding operand includes identifying a messaging folder specified by the operand;

5 the step of outputting the function call includes specifying the message folder within the operand with the corresponding function call.

26. The medium of claim 25, wherein the step of identifying the corresponding messaging operation further includes identifying the messaging operation as one of opening the identified message folder, storing into the identified message folder a message specified by the audio file, and deleting from the identified message folder the message specified by the audio file.

27. The medium of claim 25, wherein the step of identifying the corresponding messaging operation further includes identifying the messaging operation as one of creating the identified message folder, and deleting the identified message folder.

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28. A method in a browser configured for dynamic control of audio operations, the method comprising:

generating a first file, that specifies a messaging operation for a prescribed folder in a messaging server, based on voice signals received from a user and that specify the messaging operation for the prescribed folder;

sending an HTTP request including the first file to an application server;

receiving an HTML page from the application server including a second file having an indication whether the messaging operation for the prescribed folder was executed by the messaging server; and

generating audio signals for the user, based on the second file, to provide the indication to the user.

29. The method of claim 28, wherein the generating step includes generating the first file in an audio file format.

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